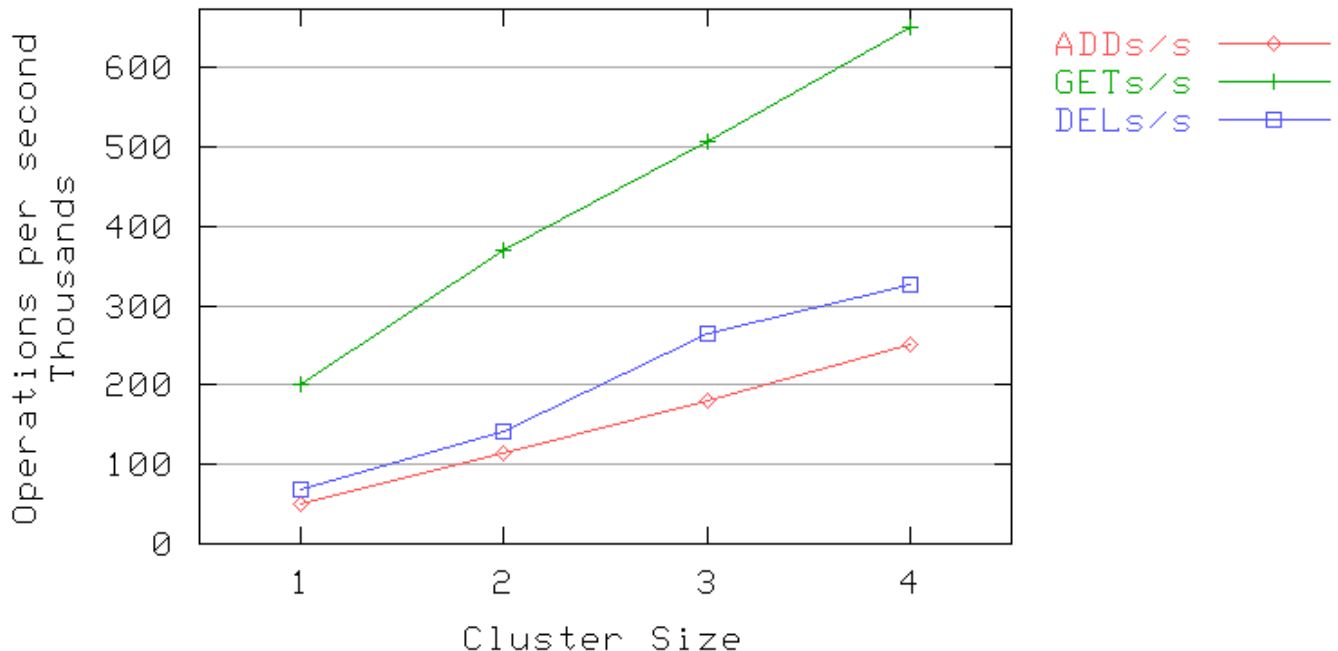




## Clustering Performance



XPress XRN uses a patent-pending clustering technology that *linearly* scales capacity. The figure above illustrates a real system using XPress XRN to process millions of key-value associations at 600,000+ transactions *per second* (network round-trips, not just “in memory”), using 700 MHz Pentium servers on standard 100mbps Ethernet. *These performance measurements include networking!* Keys can use any uniqueness factor (IP addresses, URLs, URIs, phone numbers, GPS coordinates, filenames, etc.), and values can represent any set of associations (DNS data, location mappings, names, phone numbers, etc.) or data structures meaningful to an application’s need.

Solutions built with XPress XRN on the back-end benefit from breakthrough performance, scalability, and availability when managing data inside the machine room or across the network. Solutions may smoothly scale *vertically* through machine upgrades and middleware, or *horizontally* by concatenating lower-end machines using native XPress XRN functionality. Add a server, add more capacity – simple. Using XPress XRN replication, applications receive high-availability at speeds that other database systems cannot reach *without* replication. XPress XRN makes real-time updates achievable – at the cost only of network latency.

... the net-worked database



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